

Vent Polymerase PCR

Reaction Set-up:

Material	Volume	Concentration
dH2O	37 QS 50µL	-
ThermoPol Buffer	5 µL	-
dNTPs (50x)	1 µL	10 mM
Fwd Primer (20x)	2.5 µL	10 µM
Rev Primer (20x)	2.5 µL	10 µM
Template	Variable (~1uL)	2-10 ng
VentR DNA Polymerase (100x)	1 µL	100x stock

Thermal Cycling:

Temp. (°C)	Time	Cycle
95	5:00	
95	0:30	
*	0:30	25X
72	†	
72	10:00	
4	∞	

*Lowest primer annealing temperature

†1min per 1kb